



Gokhale Education Society's

R. N. Chandak Arts, J. D. Bytco Commerce &

N. S. Chandak Science College

Nashik Pune Road, Opp. Sujata Birla Hospital, Nr. Ashirwad Stop, Nashik-422101

Email: cbccollegenashikroad@gmail.com ☎ : 0253-2461548 Fax : 0253-2469372



▶ Affiliated to Savitribai Phule University ▶ ID No: PU/NS/ASC/005/ 1963 ▶ ISO 9001-2015 Certified ▶ NAAC Accredited B College



Criterion 7 – Institutional Values and Best Practices

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

7.1.2 Relevant Documents related Solar Energy



NAEPL/0000/6260

02/02/2018

To,
The Principal
UNO Arts JDB Commerce and
BNC Science College,
Fazilka.

Dear Sir,

With reference to the circular issued by Dept of Planning & development, Barilimal
Jain Purna University for Rooftop solar power pack system, please find technical
specifications (as per guidelines provided by JPPU) & quotation.

The system consists of:

Technical Specifications of components in Solar Roof-top PV system

Sr. No	DESCRIPTION OF ITEM	SUPPLIER MAKE
A-1	Modules/Poly Crystalline	
1	PV Module-Polycrystalline, 250 Wp-320 Wp range, including module interconnection MC4 Connectors (Indian Make with RFID TAG)	Waaree / Renways Solar
A-2	Grid-tie inverter	
1	Grid-tie On-line Solar String Inverters with SPD on both DC & AC Side	Delta
A-3	BOQ Components	
1	Single Core, Multistrand 4 Sq. MM TUV approved Solar Cable for DC side	Lapp
2	Multistrand Cable for AC Side	Polysab Cable
3	MC4 Connectors suitable for 4 Sq. mm Cable (Male & Female)	Multi-Contact
4	UV Protected Cable Ties for Solar Cables	Surelock or Equivalent
5	Solar LT panels with generation meter and MCB for isolation	L&T
A-4	Module Mounting Structures	
1	Module Mounting AL Profiles, Rails etc. for Metal Sheet Roof	Jushan or Equivalent
2	Module Mounting Structure on RCC rooftops – Hot Dip Galvanized (80 Micron)	Local
A-5	Grounding and Security System	
1	Treated Earth Pit 60mm dia 75 ml. Cu Bonded Earth Rods with back fill compound	Reputed
2	Lightning Arrestor-ESL or conventional type with Earth pit	JMV or Equivalent
3	Oil Stop (25 x 3 mm) for Plant Earthing	Reputed
A-6	Monitoring System, Cables and accessories	



Maharashtra State Electricity Distribution Co. Ltd.

BILL OF SUPPLY FOR THE MONTH OF Apr 2024

000002424719693

GSTIN: 27AA ECM2933K1ZB

Website : www.mahadiscom.in

HSN CODE: 27160000

NASHIK CIRCLE:595

NASIK URBAN DN. II : 041

DEOLALI S/DN.: 671 1

Consumer No. : 049080039491 SOLAR NET METER(10 KW)
Consumer Name : THE PRINCIPAL
Address : R.N.C.ANT IDB COMMERCIAL & NSC SCIENCE COLLEGE NASIK
Village : NASIK **Pincode :** 422101

BILL DATE	07-05-2024	
DUE DATE		
IF PAID UPTO		
IF PAID AFTER	27-05-2024	
Last Receipt No./Date		/20-04-2024
Last Month Payment		68,000.00
Scale / Sector		Large Scale/Private Sector

Email ID :		Activity :	
Mobile No. : 94*****44	Meter No.: 053-18072022	Seasonal : N	Load Shed Ind :
Tariff : 073 LT-X B I 0-20KW Pub Ser oth	Connected Load (KW): 10 KW	Urban/Rural Flag : U	Express Feeder Flag : N
Contract Demand (KVA) : 0.00	40% of Con. Demand(KVA) : 0.00	Feeder Voltage (KV) : 11	LIS Indicator :
Sanctioned load (KW) : 10 KW			
DTC : 4671172	PC-MR-ROUTE-SEQ : 00-03-0117-0361	BU : 4671	PC : 00
Date of Connection : 06-07-2010	Category : LT-X B I 0-20KW Pub Ser oth	GSTIN :	
Supply at : LT	Elec. Duty : 04	PAN :	
Prev. Highest (Mth) :	Prev. Highest Bill Demand (KVA) :		
Security Deposit Held Rs. : 26,090.00	Addl. S.D. Demanded Rs. : 00.00		
Bank Guarantee Rs. : 0.00	S.D. Arrears Rs. : 00.00		

BILLING HISTORY

Bill Month	Consumption (Units)	Bill Demand (KVA)	Bill Amount
Mar 2024	1,475	0	13508.66
Feb 2024	2,950	0	26408.22
Jan 2024	0	0	422
Dec 2023	2,950	0	26408.22
Nov 2023	0	0	422
Oct 2023	2,950	0	25894.92
Sep 2023	0	0	422
Aug 2023	1,475	0	12935.57
Jul 2023	0	0	422.58
Jun 2023	1,475	0	12935.57
May 2023	1,475	0	12935.57
Apr 2023	1,339	0	11788.01

**CUSTOMER CARE Toll Free No.
 1912, 1800-102-3435,
 1800-233-3435**

Rule & Procedure for Consumer Grievances Redressal is available at www.mahadiscom.in>consumer portal>CGRF Instead of Printed bill , register for E-bill and avail Rs. 10 per bill as a "Go-green " discount.For registration visit at www.mahadiscom.in->consumer portal->Quick access->Go-green request

For making Energy Bill Payment through RTGS/NEFT mode, use following details

- Beneficiary Name: **MSEDCL**
- Beneficiary Account Number: **MSEDCL01049080039491**
- IFS Code: **SBIN008965**
- Name of Bank: **STATE BANK OF INDIA**
- Name of Branch: **IFB BKC**
- Bill Amount: **0.00**

Disclaimer: Please use above bank details only for payment against consumer number mentioned in beneficiary account number.

आता नवीन औद्योगिक वीज जोडणी अधिक सुलभतेने

Ease of doing business

नवीन वीज जोडणीसाठी गरज केवळ दोनच दस्तऐवजाची



संपर्क :
महावितरणच्या www.mahadiscom.in
या संकेतस्थळावरील ग्राहक वेब स्वयंसेवा
किंवा महावितरण मोबाईल ॲपचा वापर करावा

* मालकी हक्क / वाहिवाटीचा पुरावा

* जिल्हा उद्योग केंद्राचे प्रमाणपत्र

सर्व प्रक्रिया ऑनलाईन (अर्ज भरणे, डिमांड नोटचा भरणे)

Important Message

- Consumers can pay online using Net Banking, Credit/Debit cards at <https://wss.mahadiscom.in/wss/wss> after registration.
- Submit / update your E-mail id and mobile number to Circle office for receiving prompt alerts through SMS.
- Submit / update your PAN and GSTIN to circle office with copies of PAN and GSTIN for verification.
- Special desk is operational for HT Consumers, please contact : htconsumer@mahadiscom.in for any clarification / query or grievance.
- This Electricity Bill should not be use for the address proof and as a proof of property ownership.
- For Any Payment to MSEDCL , ENSURE & INSIST for computerised receipt with unique system generated receipt number. Do not accept handwritten receipts. Pay online to avoid any inconvenience.

CURRENT CONSUMPTION DETAILS

Reading Date	KWH	KVAH	RKVAH (LAG)	RKVAH (LEAD)	KW (MD)	KVA (MD)
Current 05-05-2024	61859.000	0.000	0.000	0.000	0.000	0.000
Previous 04-04-2024	61859.000	0.000	0.000	0.000		
Difference	1475.000	0.000	0.000	0.000		
Multiplying Factor	1.000	1.000	1.000	1.000	1.000	1.000
Consumption	1475.000	0.000	0.000	0.000	0.000	0.000
LT Metering	0.000	0.000	0.000	0.000	0.000	0.000
Adjustment	0.000	0.000	0.000	0.000		
Assessed Consump	0.000	0.000	0.000		0.000	0.000
Total Consumption	1475.000	0.000	0.000	0.000	0.000	0.000

BILLING DETAILS

Billed Demand (KVA)	0	@ Rs.	464	Demand Charges	464.00
Assessed P.F.		Avg. P.F.	0.000	Wheeling Charge @ 01.17	1,725.75
Billed P.F.	0.000	L.F.		Energy Charges	9,115.50
Consumption Type	Units	Rate	Charges Rs.	TOD Tariff EC	00.00
Industrial			00.00	FAC @ 00.50 Ps/U	737.50
Residential	1,475	0.00	9115.50	Electricity Duty (16.00 %)	1,926.84
Commercial				other charges	00.00
E.D. on(Rs)	Rate %	Amount Rs.		Tax on Sale @ 19.04 Ps/U	280.84
0.00	0	0.00		P.F. Penal Charges/P.F. Inc.	00.00
12,042.75	16	1926.84		Charges For Excess Demand	00.00
0.00	0	0.00		Debit Bill Adjustment	00.00
TOD Zone	Rate	Units	Demand	Charges Rs.	TOTAL CURRENT BILL
2200 Hrs-0600 Hrs	00.00	0	0.00	0.00	14,250.00
0600 Hrs-0900 Hrs & 1200 Hrs-1800 Hrs	00.00	0	0.00	0.00	Current Interest 01-05-2024
0900 Hrs - 1200 Hrs	00.00	0	0.00	0.00	Principle Arrears
1800 Hrs-2200 Hrs	00.00	0	0.00	0.00	Interest Arrears
Amount in Words	ONLY				Total Bill (Rounded) Rs.
					00.00
					Delayed Payment Charges Rs.
					0.00
					Amount Payable 27-05-2024 After
					Amount Rounded to Nearest Rs.(10/-)

SOLAR NET METER CONSUMPTION DETAILS

SOLAR TARIFF	IMPORT	EXPORT	GENERATION
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	CURRENT READING	PREVIOUS READING	Units	CURRENT READING	PREVIOUS READING	Units	CURRENT READING	PREVIOUS READING	Units
0000 Hrs-0600 Hrs& 2200 Hrs-2400 Hrs	00.00	00.00	00.00	00.00	00.00	00.00	00.00	00.00	00.00
0600 Hrs-0900 Hrs& 1200 Hrs-1800 Hrs	00.00	00.00	00.00	00.00	00.00	00.00	00.00	00.00	00.00
0900 Hrs - 1200 Hrs	00.00	00.00	00.00	00.00	00.00	00.00	00.00	00.00	00.00
1800 Hrs-2200 Hrs	00.00	00.00	00.00	00.00	00.00	00.00	00.00	00.00	00.00
TOTAL	61,859.00	61,859.00	1,475.00	15,910.00	15,910.00	00.00	58,827.00	57,704.00	1,123.00
Offset: 00.00	Previous Banked: 00.00		Current Banked: 00.00		Banking Charge Unit: 00.00			Billed: 1,475.00	

Message:

#As per MERC Directive dtd.24/02/2021,cash payment of Rs.5000.00 and above will not be accepted by MSEDCL.

Online payment Facility - adopt for safe , easy and free online payment facility through <https://wss.mahadiscom.in/wss> OR Mobile app - Mahavitaran & get discount of 0.25% (max Rs.500). For queries please contact helpdesk_pg@mahadiscom.in.

As per MERC order dt.24/02/2021, Monthly energy bill receipt in cash is limited to Rs.5000/- w.e.f 01/11/2021.

In case of energy bill paid through NEFT / RTGS, date of amount credited in MSEDCL bank account will be considered as bill payment date.

As per MERC order for Case No 322 of 2019 revised Cheque Bounce charges of Rs. 750 or Bank charges whichever is higher will be applicable from 01 April 2020.

Message: Rooftop Solar Units:-Export:0,Import:1475,Adjusted:0,Bank:0/Interest on Sec. Deposit(SD) Rs.: -1761.07/

As per Income Tax provision vide section 269 ST cash receipt of Rs.2.00 lakhs and above will not be accepted by MSEDCL against any type of Payment.

As per MTR order (226/2022) revised tariff for FY 2024-25 is effective from 01.04.2024.

This bill for power supply cannot be treated or utilised as proof that the premises for which the power supply has been granted is an authorised structure nor would the issuance of the bill amount to proof of ownership of the premises.

Prompt Payment Discount: Rs. 0.00 , if bill is paid on or before 13-05-2024 .

CONDITIONS

1. The total bill amount of the bill may be remitted by a Crossed Demand Draft/Cheque drawn in favor of 'Maharashtra State Electricity Distribution Co. Ltd.' Whenever Security Deposit is demanded separate Cheque/Bank Draft should be sent.
2. The current bill is payable within fifteen days from the date of issue of the bill. Even if there is any discrepancy in the bill or any other clarification needed, consumers are requested to pay the billed amount in full provisionally or under protest subject to review and subsequent adjustment, so that payment of delayed payment charges is avoided.
3. This bill is issued subject to the provision of the 'Conditions and Miscellaneous charges for supply of Electrical Energy' of the company.
4. Please quote the Consumer Number on the back of the Cheque. The payment of this bill should be made at Company's office only.
5. If the cheque is sent by post, the same should be posted three clear days in advance of the due date.
6. If paid by Cheque/DD/Pay Order, then the Realization date should be considered as payment date.

Collection Hours : 10-30 to 16-00 Hours (Except on Bank Holidays, Sundays, 2nd and 4th Saturdays)

Follow us at:    

- Solar energy provided a total of 8997 units of electricity annually.
- Total Annual Electricity Imported (June 2022 to May 2023) from Mahavitaran 51557 KWH and Export 6211 KWH

Total cost units utilizes by college and total cost in rupees

(All data collected in between June 2022 to May 2023)

Month	Meter No. 1 049081131405 Main Building	Bill Amount	Meter No. 2 049080039491 Main Building	Bill Amount	Meter No. 3 049081131413 Chemistry Department	Bill Amount	Meter No. 4 049084091307 Library in Chem. Dept.	Bill Amount	Meter No. 5 049085504290 Seminar Building	Bill Amount
	KWH ↓		KWH ↓		KWH ↓		KWH ↓			
Jun	00	320	1175	10022.75	540	5373	150	1404	588	5503
July	40	410	1290	11003.7	510	5074	30	170	570	5335
Aug.	00	320	1180	10065.4	515	5124	150	1404	705	6598
Sep.	40	320	1384	11805.52	591	5880	150	1404	628	5878
Oct.	00	420	1043	8895.41	645	6417	150	1404	620	5803
Nov.	40	320	1289	10967.55	536	5333	150	1404	621	5812
Dec.	40	320	1380	11625.65	590	5870	196	1837	612	5728
Jan.	40	320	1185	10045.83	524	5213	191	1790	680	6364
Feb.	40	320	1297	10953.22	468	4656	205	1920	627	5868
Mar.	00	320	1174	9956.72	552	5492	201	1890	683	6392
Apr.	00	320	1339	11788.01	530	5273	163	1532	716	6701
May	00	320	1475	12935.57	746	7422	163	1532	792	7413
Total	240 KWH	4030	15,211 KWH	130065.3	6747 KWH	67127	1899 KWH	17691	7842 KWH	73395

Month	Meter No. 6 049081131391 Street Light	Bill Amount	Meter No. 7 049081133751 Principal Quarter	Bill Amount	Meter No. 8 049081132266 Principal Quarter	Bill Amount	Meter No. 9 049081131421 Gymkhana	Bill Amount	Meter No. 10 049088377175 Kothari Building	Bill Amount
	KWH ↓		KWH ↓		KWH ↓		KWH ↓		KWH ↓	
Jun	57	339	352	3450	62	524	102	1217	970	19545
July	45	367	388	3802	68	575	168	720	772	15555
Aug.	72	428	418	4096	68	575	203	2005	720	14508
Sep.	58	344	422	4135	60	507	452	5396	898	18094
Oct.	104	617	385	3773	63	532	438	5229	959	19344
Nov.	57	339	345	3381	62	524	457	5456	1029	20412
Dec.	49	291	372	3645	65	549	152	1814	724	16473
Jan.	39	232	394	3861	67	566	231	3832	890	18411
Feb.	43	256	381	3733	66	558	115	1373	721	16403
Mar.	66	392	331	3243	57	482	102	1217	1283	22966
Apr.	91	540	379	3714	52	439	103	1229	1178	23421
May	139	825	323	3165	50	423	107	1277	794	18629
Total	820 KWH	4970	4490 KWH	43998	740 KWH	6254	2630 KWH	30765	10938 KWH	223761

Total KWH June 2022 To May 2023 = 51557

Month	Meter No. 1 049081131405 Main Building	Meter No. 2 049080039491 Main Building	Meter No. 3 049081131413 Chemistry Department	Meter No. 4 049084091307 Library in Chem. Dept.	Meter No. 5 049085504290 Seminar Building	Meter No. 6 049081131391 Street Light	Meter No. 7 049081133751 Principal Quarter	Meter No. 8 049081132266 Principal Quarter	M Meter No. 9 049081131421 Gymkhana	M Meter No. 10 049088377175 Kothari Building	Month Wise KWH
Jun	00	1175	540	150	588	57	352	62	102	970	3996
July	40	1290	510	30	570	45	388	68	168	772	3881
Aug.	00	1180	515	150	705	72	418	68	203	720	4031
Sep.	40	1384	591	150	628	58	422	60	452	898	4683
Oct.	00	1043	645	150	620	104	385	63	438	959	4407
Nov.	40	1289	536	150	621	57	345	62	457	1029	4586
Dec.	40	1380	590	196	612	49	372	65	152	724	4180
Jan.	40	1185	524	191	680	39	394	67	231	890	4241
Feb.	40	1297	468	205	627	43	381	66	115	721	3963
Mar.	00	1174	552	201	683	66	331	57	102	1283	4449
Apr.	00	1339	530	163	716	91	379	52	103	1178	4551
May	00	1475	746	163	792	139	323	50	107	794	4589
Total	240	15,211	6747	1899	7842	820	4490	740	2630	10938	Total KWH 51557

Total Amount : June 2022 To May 2023 = 602056/-

Month	Meter No. 1 049081131405 Main Building	Meter No. 2 049080039491 Main Building	Meter No. 3 049081131413 Chemistry Department	Meter No. 4 049084091307 Library in Chem. Dept.	Meter No. 5 049085504290 Seminar Building	Meter No. 6 049081131391 Street Light	Meter No. 7 049081133751 Principal Quarter	Meter No. 8 049081132266 Principal Quarter	Meter No. 9 049081131421 Gymkhana	Meter No. 10 049088377175 Kothari Building	Month Wise Amount
Jun	320	10022.75	5373	1404	5503	339	3450	524	1217	19545	47697.75
July	410	11003.7	5074	170	5335	367	3802	575	720	15555	43011.7
Aug.	320	10065.4	5124	1404	6598	428	4096	575	2005	14508	45123.4
Sep.	320	11805.52	5880	1404	5878	344	4135	507	5396	18094	53763.52
Oct.	420	8895.41	6417	1404	5803	617	3773	532	5229	19344	52434.41
Nov.	320	10967.55	5333	1404	5812	339	3381	524	5456	20412	53948.55
Dec.	320	11625.65	5870	1837	5728	291	3645	549	1814	16473	48152.65
Jan.	320	10045.83	5213	1790	6364	232	3861	566	3832	18411	50634.83
Feb.	320	10953.22	4656	1920	5868	256	3733	558	1373	16403	46040.22
Mar.	320	9956.72	5492	1890	6392	392	3243	482	1217	22966	52350.72
Apr.	320	11788.01	5273	1532	6701	540	3714	439	1229	23421	54957.01
May	320	12935.57	7422	1532	7413	825	3165	423	1277	18629	53941.57
Total	4030	130065.3	67127	17691	73395	4970	43998	6254	30765	223761	Total Amount 602056/-

Total Amount Paid June 2022 to May 2023 Rs. 6, 02,056/- (Rs. Six Lakhs Two Thousand Fifty six)

BILLING HISTORY (SOLAR METER MAIN BUILDING (METER NO. 2: 049080039491))**SOLAR NET METER CONSUMPTION DETAILS)****June 2022 To May 2023**

Bill Month	Consumption (KWH)	Bill Amount	Import Consumption (KWH)	Export Consumption (KWH)	Generation
Jun 2022	1,175	10022.75	1,175	460.00	715.00
July 2022	1,290	11003.7	1,290	560.00	730.00
Aug. 2022	1,180	10065.4	1,180	464.00	716.00
Sep. 2022	1,384	11805.52	1,384	569.00	815.00
Oct. 2022	1,043	8895.41	1,043	390.00	653.00
Nov. 2022	1,289	10967.55	1,289	561.00	728.00
Dec. 2022	1,380	11625.65	1,380	568.00	812.00
Jan. 2023	1,185	10045.83	1,185	467.00	718.00
Feb. 2023	1,297	10953.22	1,297	558.00	736.00
Mar. 2023	1,174	9956.72	1,174	460.00	714.00
Apr. 2023	1,339	11788.01	1,339	529.00	810.00
May 2023	1,475	12935.57	1,475	625.00	850.00
Total	15,211	130065.3	15,211	6211	8997 Units

Comparative Table

June 2022 To May 2023	Total KWH	Solar KWH	Export Consumption
	51557	15211	6211

"During the period from June 2022 to May 2023, a total of 51557 KWH of electricity was generated, with 15211 KWH generated by solar energy. Additionally, 6211 KWH of solar energy was exported. The total electricity bill for this period amounted to 602056, out of which 130065 was attributed to solar energy consumption. Solar energy accounts for 8997 units.